

00014355.082701

#3

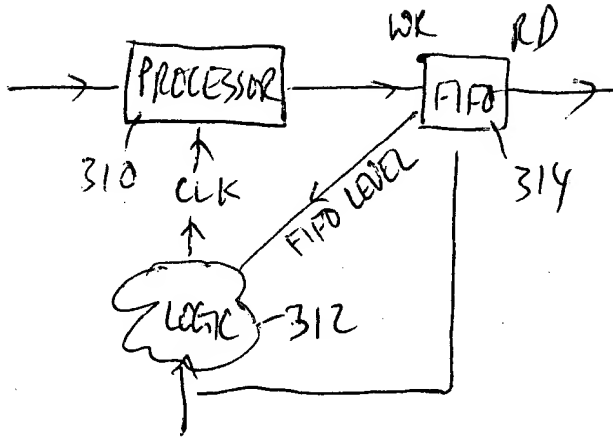


FIG. 1

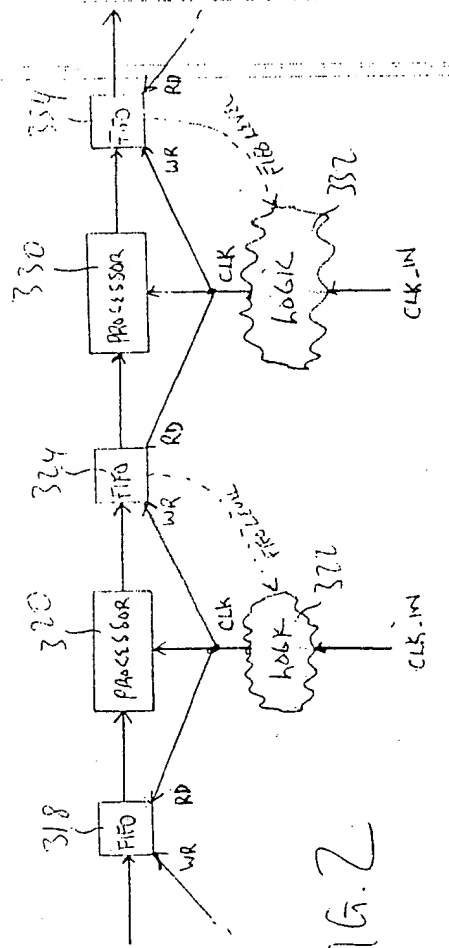


FIG. 2



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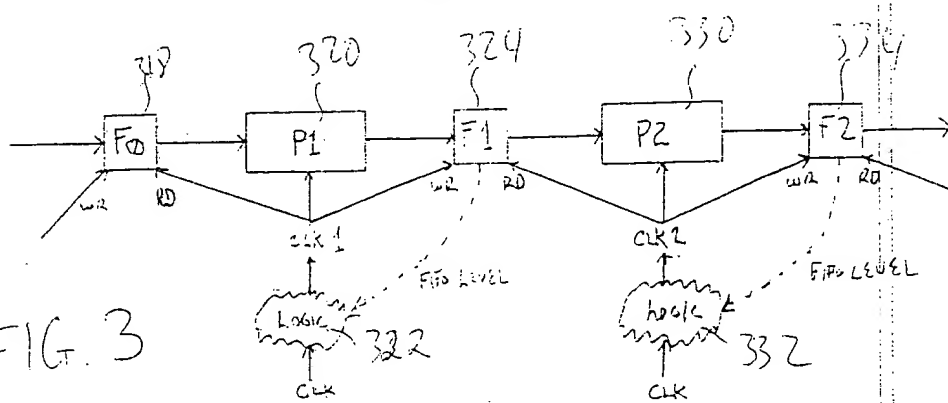
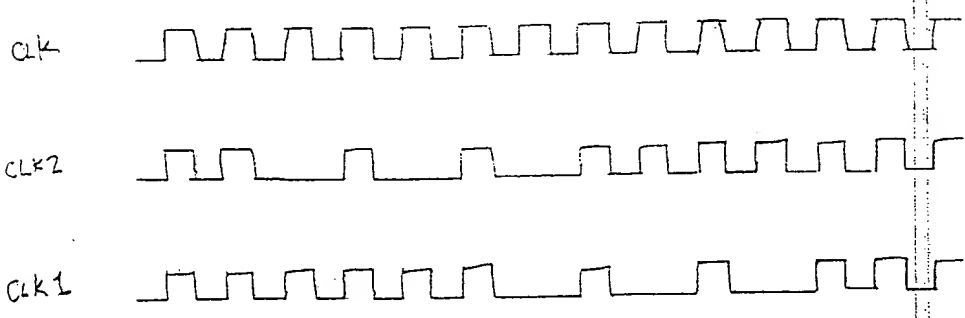


FIG. 3

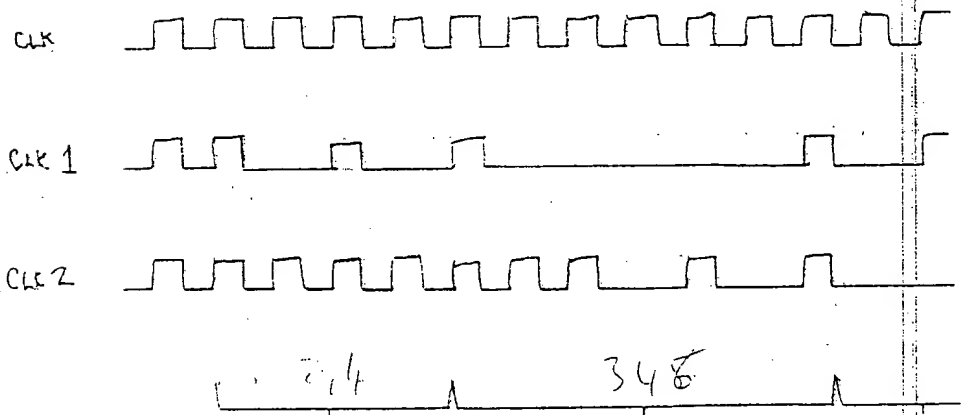
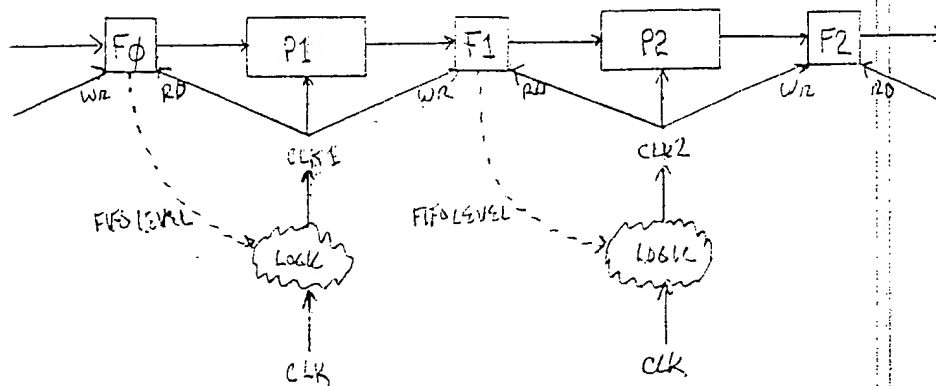


320
FIFO F2 LEVEL EXCEEDS
HIGH WATER MARK
(clock rate halved)

342
FIFO F1 LEVEL EXCEEDS
HIGH WATER MARK
(clock rate halved)

FIGURE 3: EXAMPLE BEHAVIOR WITH MULTIPLE INDEPENDENT CLOCK CONTROLS

00014355-002701



FIFO 0 LEVEL
BELOW LOW WATER
MARK

FIFO 0 LEVEL
EMPTY

FIFO 1
LEVEL NOT
LONGER
EMPTY

FIG. 4

FIGURE 1: EXAMPLE BEHAVIOR OF FIFO EMPTY/
NOT EMPTY WITH MULTIPLE
INDEPENDENT CLOCK SIGNALS

348
FIFO 1 LEVEL BELOW
LOW WATER MARK

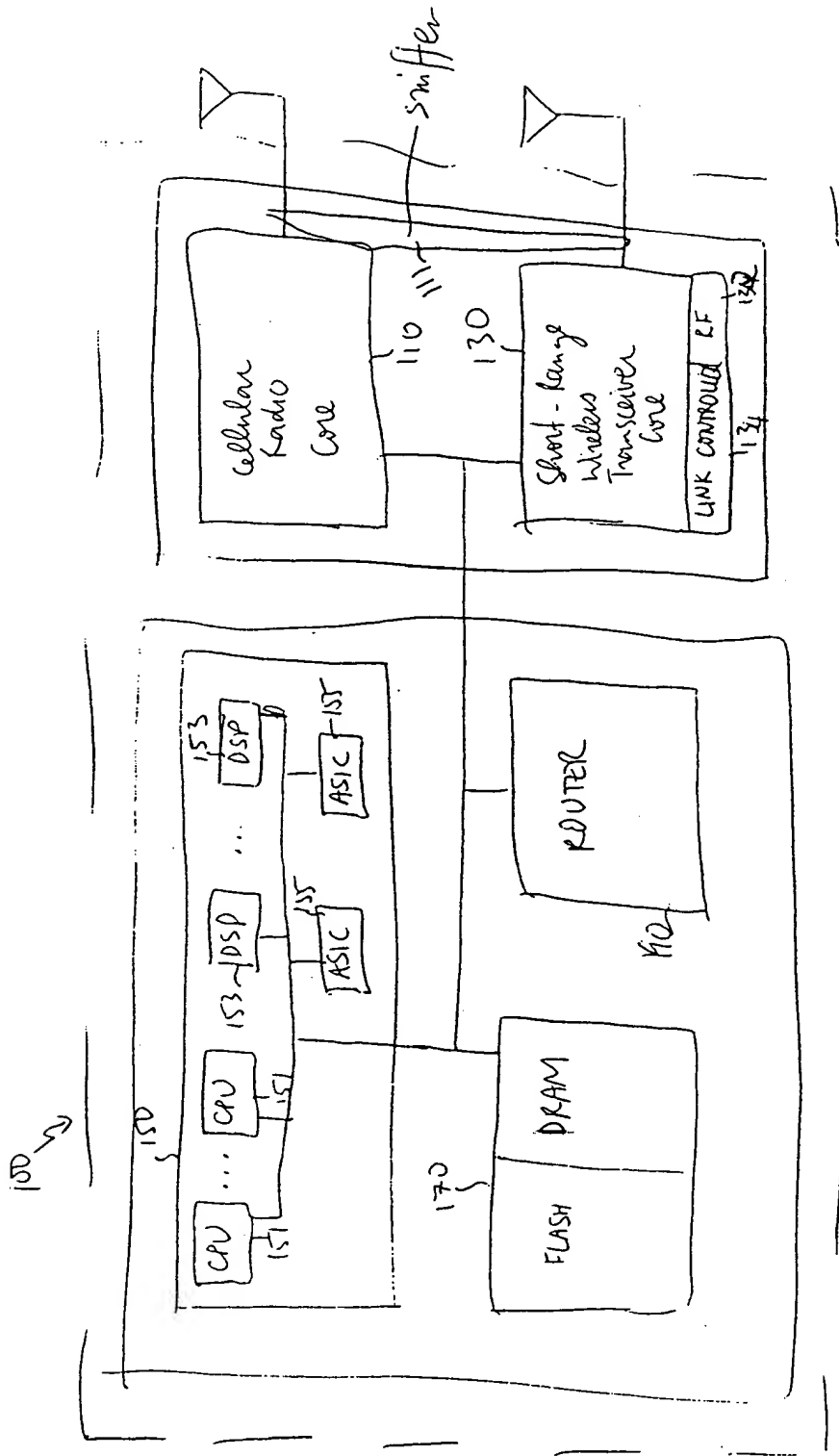


FIG. 15



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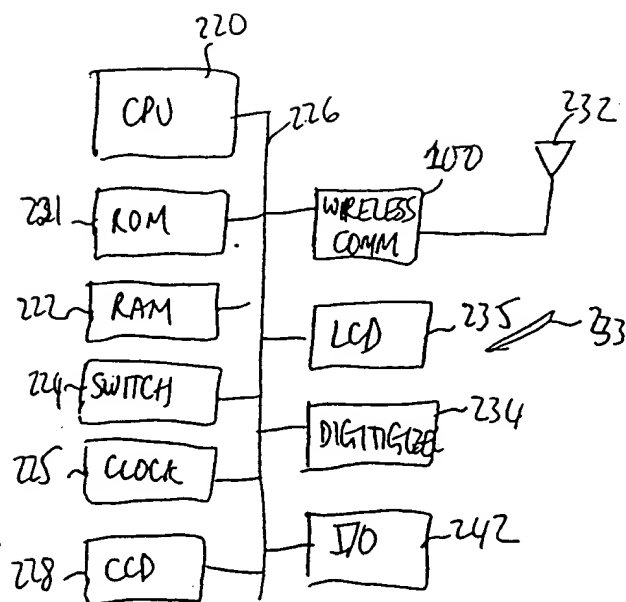


Fig 6